

Amendments to the Claims:

1.-4. (cancelled)

5. (currently amended) A temperature compensation element for a connection unit to which lines can be connected, the temperature compensation element comprising:

a first strip of thermally-conductive material;
a second strip of thermally-conductive material; and
a plurality of thermally-conductive terminal lugs extending straightaway between a first end and a second end, each lug comprising a first lug section extending from the first end to respective edges of the first and second strips, the first lug section sandwiched between corresponding inner surfaces of the first and second strips, each lug further comprising a second lug section extending from the respective edges to the second end, the second lug section extending essentially perpendicular beyond the edges of the first and second strips.

wherein the thermally-conductive terminal lugs are arranged in spaced relationship from one another to form a row to-between the first and second strips, wherein each lug can be contacted with corresponding terminals of the connection unit, and wherein the lugs are connected thermally coupled to the first and second strips in a thermally conductive manner.

6.-8. (cancelled)

9. (currently amended) The temperature compensation element in accordance with claim 5, wherein the first and second strips and the terminal lugs are electrically-conducting, wherein the terminal lugs are electrically isolated from the first strip, wherein on at least one of the first and second strips a temperature-dependent resistor is arranged, and wherein the a pair of terminals of the resistor make is electrically coupled contact with to a pair of terminal lugs, the pair of terminal lugs comprising an adjacent pair of terminal lugs in each case.

10.-11. (cancelled)

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12. (currently amended) The temperature compensation element in accordance with claim 75, wherein the first strip and the second strip are connected to each other by way of a thermally-conductive piece connected on to the respective first ends of the strips side opposite the terminal lugs.

13. (cancelled)

14. (currently amended) A temperature compensation element for a connection unit, to which lines can be connected, with the temperature compensation element comprising:

at a first strip of thermally-conductive material;
a second strip of thermally-conductive material;
a plurality of thermally-conductive terminal lugs extending straightaway between a first end and a second end, each lug comprising a first lug section extending from the first end to respective edges of the first and second strips, the first lug section sandwiched between corresponding inner surfaces of the first and second strips, each lug further comprising a second lug section extending from the respective edges to the second end, the second lug section extending essentially perpendicular beyond the edges of the first and second strips,

wherein the thermally-conductive terminal lugs are arranged in spaced relationship from one another to form a row between the first and second strips, wherein each lug can be contacted with corresponding terminals of the connection unit, and wherein the lugs are thermally coupled to the first and second strips,

wherein the first and second strips and the terminal lugs are electrically-conducting, wherein the terminal lugs are electrically isolated from the first and second strips by way of first and second isolation strips respectively attached to the inner surfaces of the first and second strips, wherein on at least one of the first and second strips of thermally-conductive material, a temperature-dependent resistor is arranged, and wherein a pair of terminals of the resistor is electrically coupled to a pair of terminal lugs, the pair of terminal lugs comprising an adjacent pair of terminal lugs

~~on which, essentially at right angles to the strip, arranged in a row, are thermally conductive terminal lugs, which can in each case be contacted with corresponding terminals of the connection unit, with the terminal lugs being connected to the strip in a thermally-conductive manner.~~

15.-17. (cancelled)

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18. (currently amended) The temperature compensation element in accordance with claim 15, wherein the first strip and second strip of thermally-conductive material are connected to each other by way of a thermally-conductive piece connected to on the respective first ends of the strips of thermally-conductive material side opposite the terminal lugs.

19. (cancelled)